

Message Text

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PAGE 01 MOSCOW 21823 121455Z
ACTION SY-05

INFO OCT-01 ISO-00 SYE-00 /006 W
-----089408 121457Z /73
P 121447Z SEP 78
FM AMEMBASSY MOSCOW
TO SECSTATE WASHDC PRIORITY 6689

C O N F I D E N T I A L MOSCOW 21823

SY CHANNEL

FOR A/SY/OPS/T/MUSSER FROM ALLEN AND FORTIER

E.O. 11652: GDS
TAGS: ASEC
SUBJECT: SPECIAL MEASUREMENT

1. THE POWER LEVELS NOTED BELOW ARE IN MICROWATTS
PER SQUARE CENTIMETER. THE EFFECTIVE AREA FOR THE
AN-10B HORN ANTENNA IS 108 SQUARE CENTIMETERS
FOR THE "B" MODE (2-4GHZ) AND 73 SQUARE CENTIMETERS
FOR THE "C" MODE (4-8 GHZ). THE BOWMAN FACTOR HAS
NOT BEEN INCLUDED IN ANY COMPUTATION.

2. INCIDENT POWER LEVELS WITH SCREENS REMOVED
(HIGHEST RECORDED IN MOST CASES)

ONE B TWO B ONE C TWO C

ROOF	.032	.17	.12	.12
10TH FLOOR	.018	.081	.13	.06
9TH FLOOR	.012	.044	.082	-
8TH FLOOR	.0069	-	.068	-
7TH FLOOR	.0057	-	-	-

3. TYPICAL POWER LEVELS WITH SCREENS IN PLACE ARE
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AS FOLLOWS:

ROOM	LOCATION	MODE	POWER
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1001	NEAR SO. WINDOW	2 (B)	.0022
1001	NEAR SO. WINDOW	2 (C)	.00058
1001(SECY)	TYPEWRITER	2 (B)	.000031

ROOM	LOCATION	MODE	POWER
901	DESK CHAIR	1 (B)	.00035
901	DESK CHAIR	2 (B)	.000018
901	DESK CHAIR	1 (C)	.00048
902	TYPEWRITER	2 (B)	.0000072
902	TYPEWRITER	1 (C)	.00029
903	TYPEWRITER	2 (B)	.0000083
903	TYPEWRITER	1 (B)	.00013
903	TYPEWRITER	1 (C)	.0001
801	TYPEWRITER	1 (B)	.00031
801	TYPEWRITER	1 (C)	.000027
818	WEST SIDE OF BLDG	1 (B)	.000005
906	ACR INSIDE	1 (B)	.000002

4. BUILDING INSERTION LOSSES NEAR SCREENED WINDOWS
AND BALCONY DOORS TYPICALLY MORE THAN TEN DECIBELS
AND THRU AN OUTER WALL APPROXIMATELY 25 TO 30 DECIBELS.

5. POWER PATTERNS

1 (B) ROOF - .03 AT SOUTHEAST CORNER, GRADUALLY
DECREASING TO .015 AT NORTHEAST CORNER. TOTAL
DISTANCE 120 FT.

2 (B) ROOF - .17 NEAR CENTER, SLIGHTLY TAPERS OFF
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TO .16 AT BOTH SE AND SW CORNERS

2 (C) ROOF - .12 AT SOUTHWEST CORNER GRADUALLY
DECREASING TO .092 AT SOUTHEAST CORNER. TOTAL
DISTANCE 34 FEET.

1 (B) ROOF TO 9TH FLOOR - .03 AT ROOF LEVEL, .018
AT 10TH FLOOR AND .012 AT 9TH FLOOR.

6. A COPY OF ALL DATA COLLECTED WILL BE RETAINED
AT POST.

7. FORTIER AND ALLEN PLAN TO DEPART POST ON 17 SEPT
VIA PAN AM. CONFIRMED TRAVEL PLANS VIA SEPTTEL.
GARRISON

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NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 jan 1994
Channel Indicators: SY
Current Classification: UNCLASSIFIED
Concepts: n/a
Control Number: n/a
Copy: SINGLE
Draft Date: 12 sep 1978
Decaption Date: 01 jan 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 20 Mar 2014
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1978MOSCOW21823
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: GS
Errors: N/A
Expiration:
Film Number: n/a
Format: TEL
From: MOSCOW
Handling Restrictions: n/a
Image Path:
ISecure: 2
Legacy Key: link1978/newtext/t19780977/aaaacllr.tel
Line Count: 109
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE
Message ID: 99d65b52-c288-dd11-92da-001cc4696bcc
Office: ACTION SY
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 30 jun 2005
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 1468958
Secure: LOCK1
Status: NATIVE
Subject: /////
TAGS: ASEC
To: STATE
Type: TE
vdkgvwkey: odbs://SAS/SAS.dbo.SAS_Docs/99d65b52-c288-dd11-92da-001cc4696bcc
Review Markings:
Sheryl P. Walter
Declassified/Released
US Department of State
EO Systematic Review
20 Mar 2014
Markings: Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014